

# Patent Abstracts of Japan

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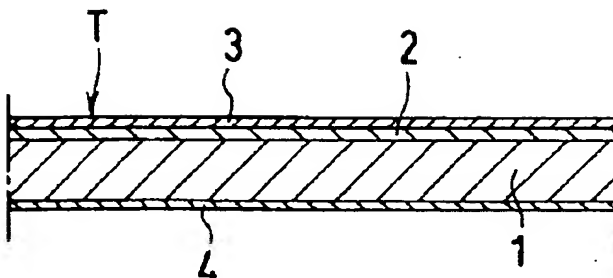
APPLICATION NUMBER : 2001262901

APPLICANT : TAKIRON CO LTD;

INVENTOR : KURODA YOSHITERU;

INT.CL. : B32B 9/00 B01J 35/02 B01J 37/02  
B32B 33/00

TITLE : DECORATIVE SHEET HAVING  
PHOTOCATALYST LAYER FORMED  
THEREON AS OUTERMOST LAYER



ABSTRACT : PROBLEM TO BE SOLVED: To provide a decorative sheet having a photocatalyst layer formed thereon as the outermost layer, constituted so that the stain adhering to the surface of the decorative sheet is decomposed itself to reduce the staining of the decorative sheet and the surface of the decorative sheet is made hydrophilic to be simply cleaned by wiping.

SOLUTION: A decorative layer 2 is provided on the surface of a substrate layer comprising an inorganic material impregnated with a thermosetting resin and the photocatalyst layer 3 containing titanium oxide is integrally formed on the decorative layer 2 as the outermost layer.

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PA - (TAKI-N) TAKIRON KK

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PR - JP20010262901 20010831

XA - C2003-186982

XIC - B01J-035/02 ; B01J-037/02 ; B32B-009/00 ; B32B-033/00

XP - N2003-545315

AB - JP2003071967 NOVELTY - The decorative laminated sheet (T) comprises a decorative layer (2) and a photocatalyst layer (3) containing titanium oxide, formed on a base material layer (1). The base material comprises a thermosetting resin impregnated with inorganic substance.

- USE - For wall surfaces.

- ADVANTAGE - The decorative sheet has low surface contamination, which is easily wiped off. Photocatalytic efficiency of the sheet is improved and maintained for long duration.

- DESCRIPTION OF DRAWING(S) - The figure shows the sectional view of a decorative laminated sheet, as above.

- base material layer 1

- decorative layer 2

- photocatalyst layer 3

- decorative laminated sheet T

- (Dwg.1/6)

IW - DECORATE LAMINATE SHEET WALL SURFACE COMPRISE PHOTOCATALYST LAYER  
CONTAIN TITANIUM OXIDE DECORATE LAYER RESIN BASE MATERIAL

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NC - 001

OPD - 2001-08-31

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PAW - (TAKI-N) TAKIRON KK

TI - Decorative laminated sheet, used for wall surfaces, comprises photocatalyst layer containing titanium oxide and decorative layer, on resin base material

A01 - [001] 018 ; H0328 ; S9999 S1581

- [002] 018 ; ND01 ; Q9999 Q6893 Q6826 ; Q9999 Q7829 Q7818 ; K9701 K9676 ; K9574 K9483 ; B9999 B5287 B5276 ; B9999 B5458 B5403 B5276

- [003] 018 ; D00 ; A999 A237

A02 - [001] 018 ; P1445-R F81 Si 4A

- [002] 018 ; ND01 ; Q9999 Q6893 Q6826 ; Q9999 Q7829 Q7818 ; K9701 K9676 ; K9574 K9483 ; B9999 B5287 B5276 ; B9999 B5458 B5403 B5276

- [003] 018 ; R01966 D00 F20 Ti 4B Tr O- 6A ; A999 A237 ; S9999 S1514 S1456

A03 - [001] 018 ; P1445-R F81 Si 4A

- [002] 018 ; ND01 ; Q9999 Q6893 Q6826 ; Q9999 Q7829 Q7818 ; K9701 K9676 ; K9574 K9483 ; B9999 B5287 B5276 ; B9999 B5458 B5403 B5276

- [003] 018 ; Q9999 Q7192 Q7114

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